

Figure 1 Method (1)

Animal preparation of chronic myocardial ischemia :

Juvenile crossbred farm pigs (~20-25kg) underwent a left lateral thoracotomy. An ameroid constrictor was placed around the proximal LCX just distal to main stem of left coronary artery matching the size of the vessel (typically 1.75, 2.00, or 2.25 mm ID).

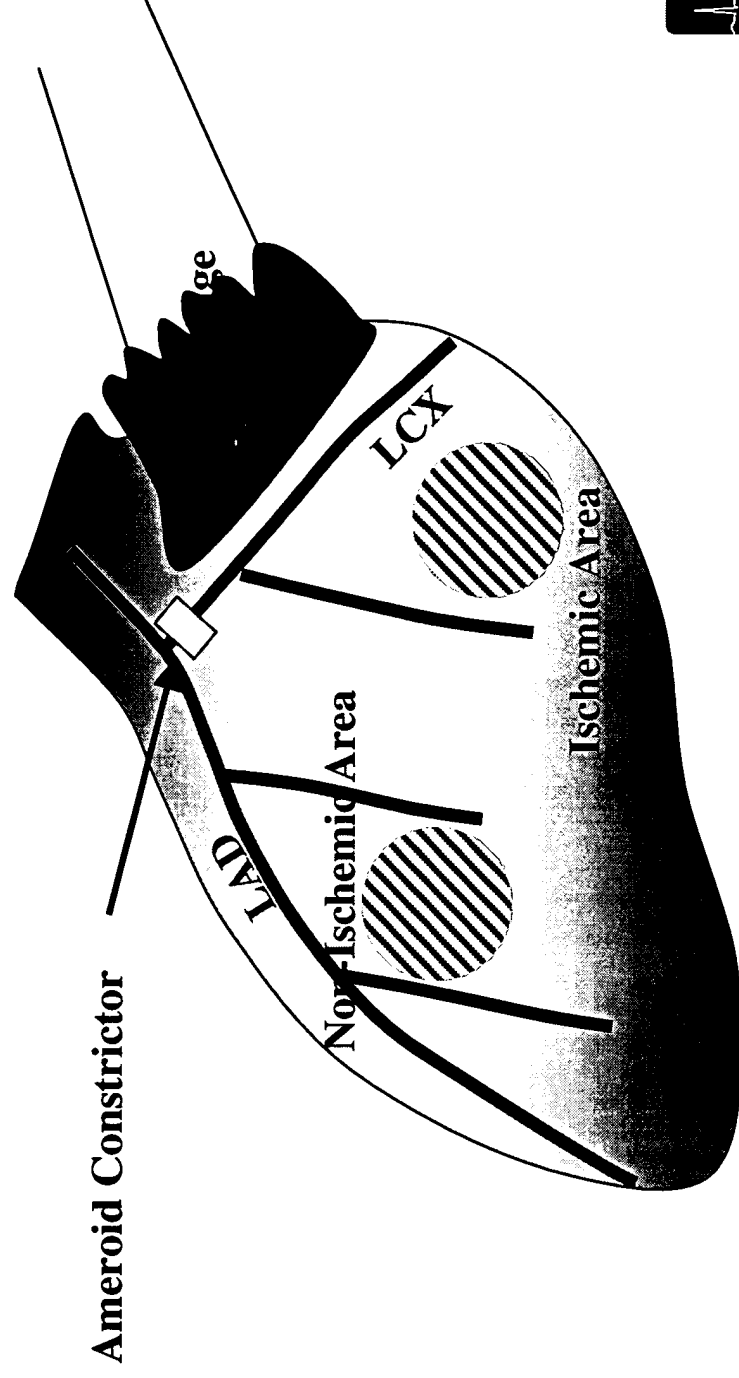
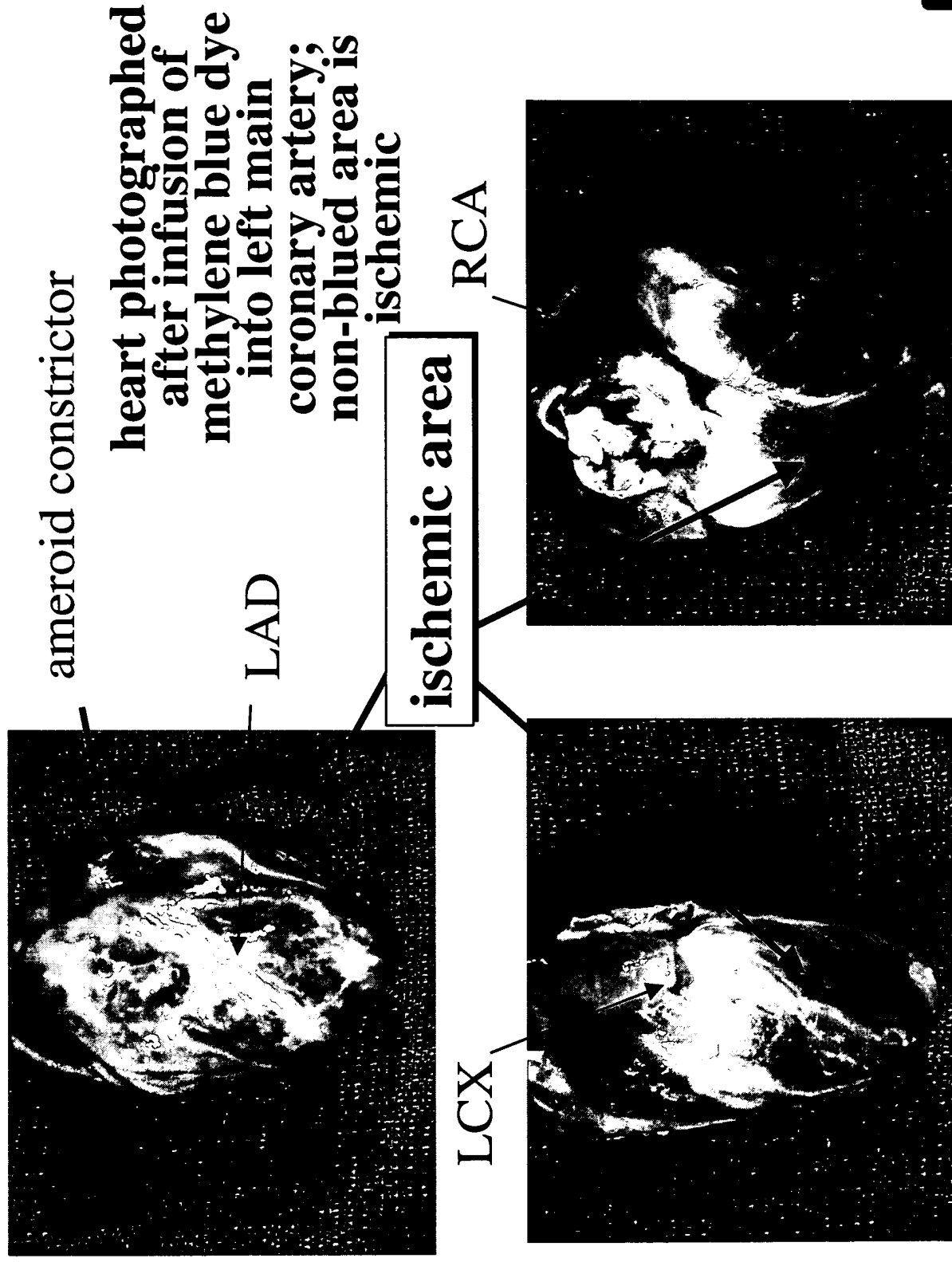
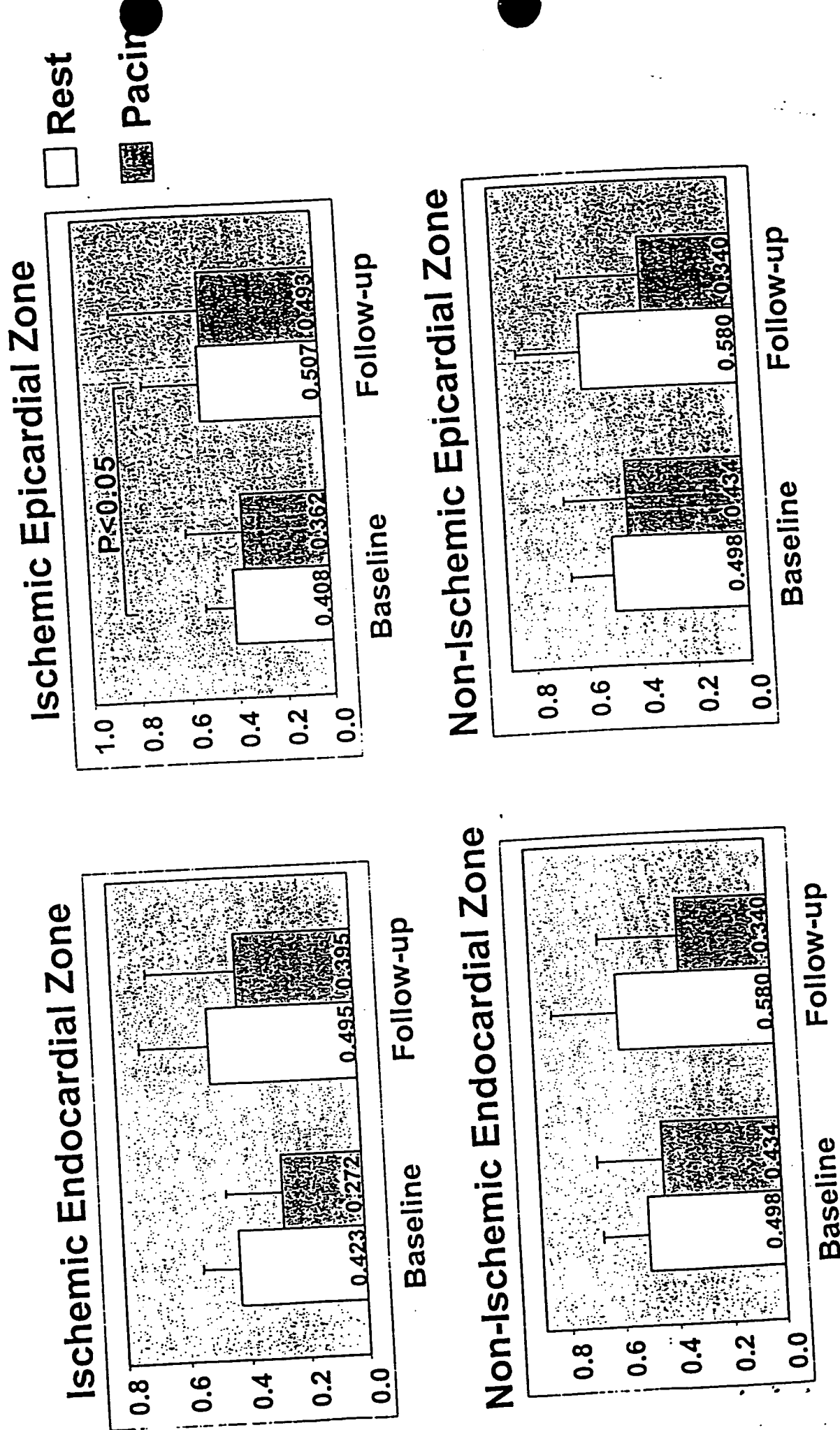


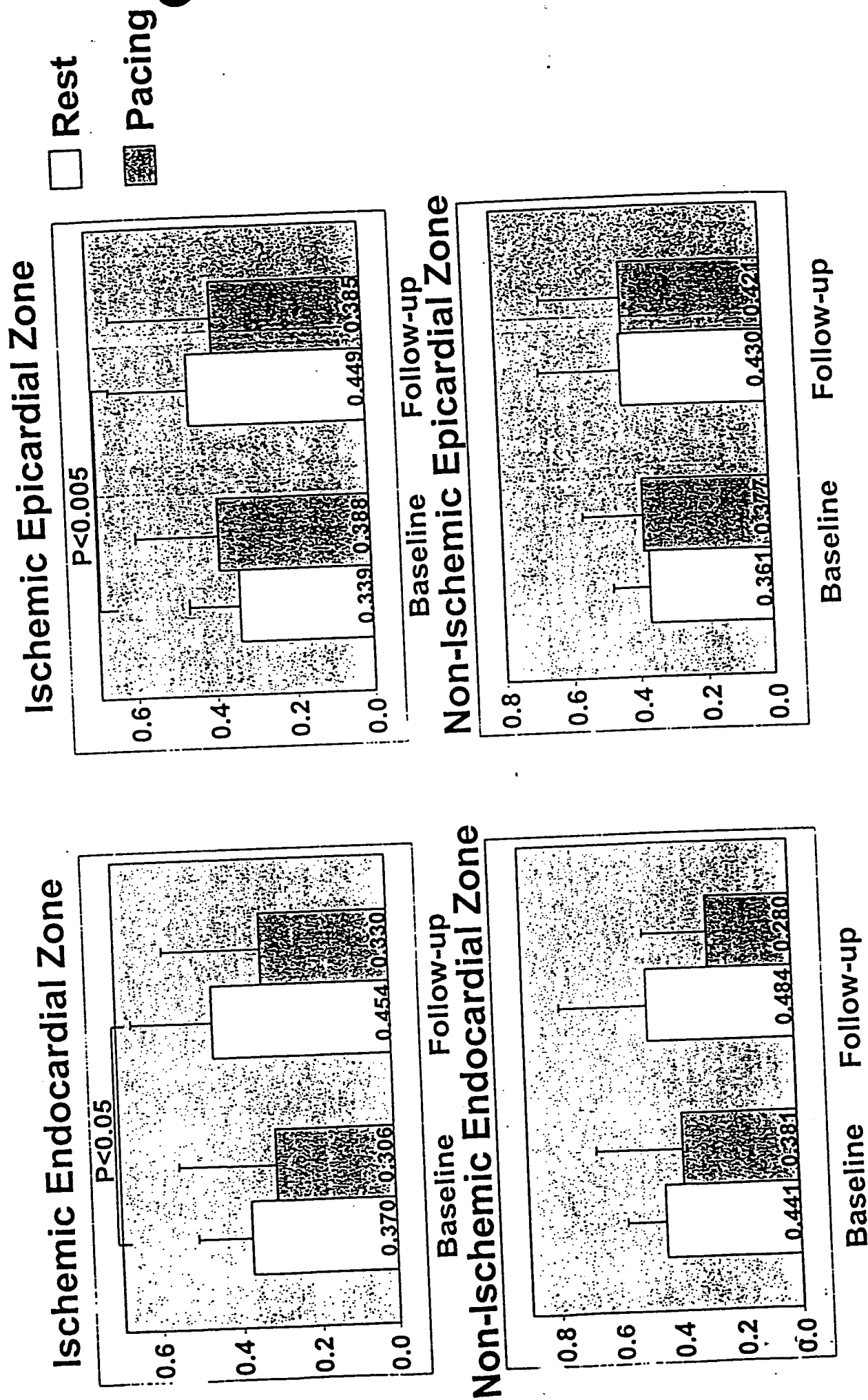
Figure 2 Ischemic Area Induced by Ameroid Constrictor



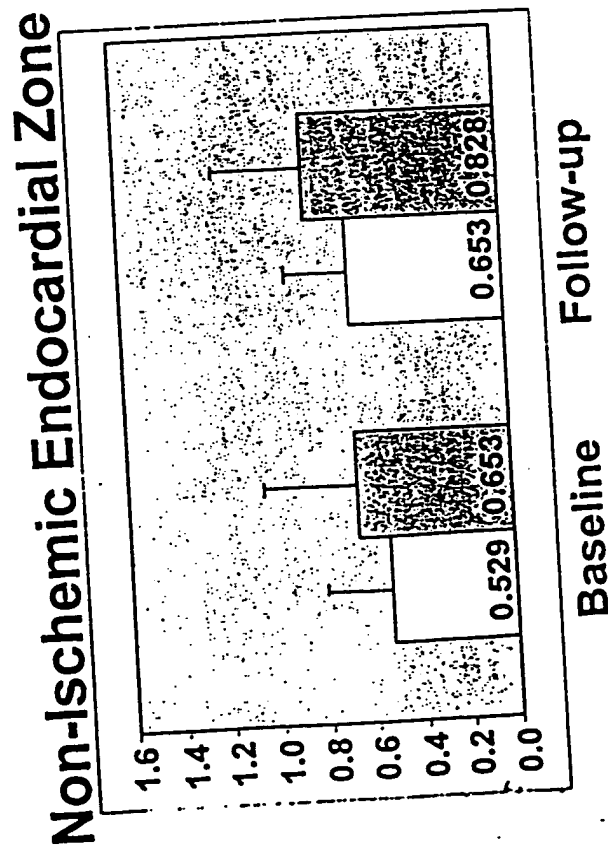
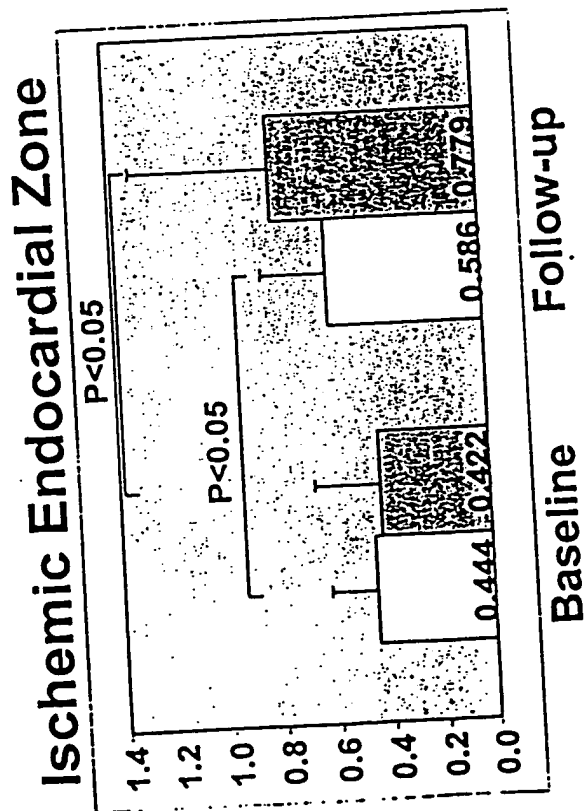
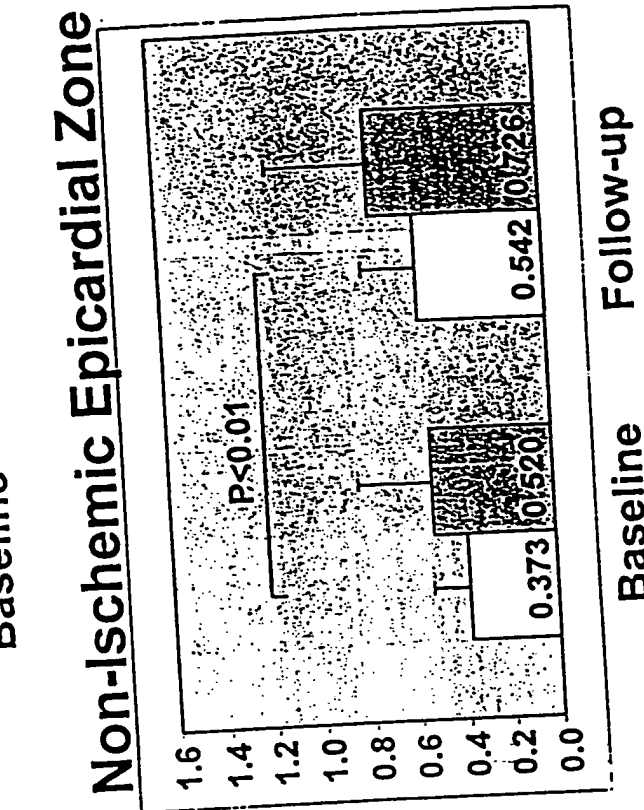
Myocardial Blood Flow in Ad- β gal Group



Myocardial Blood Flow in Ad-VEGF (Ischemic) Group

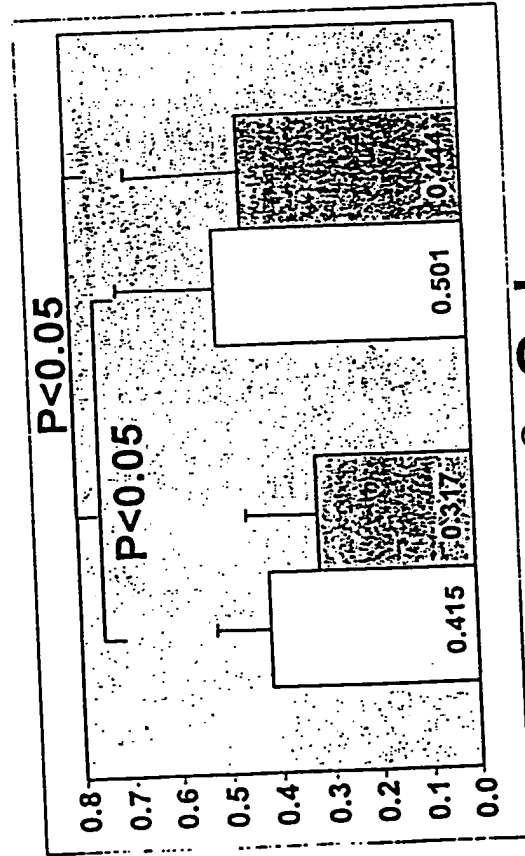


Myocardial Blood Flow in Ad-VEGF (Non-Ischemic) Group

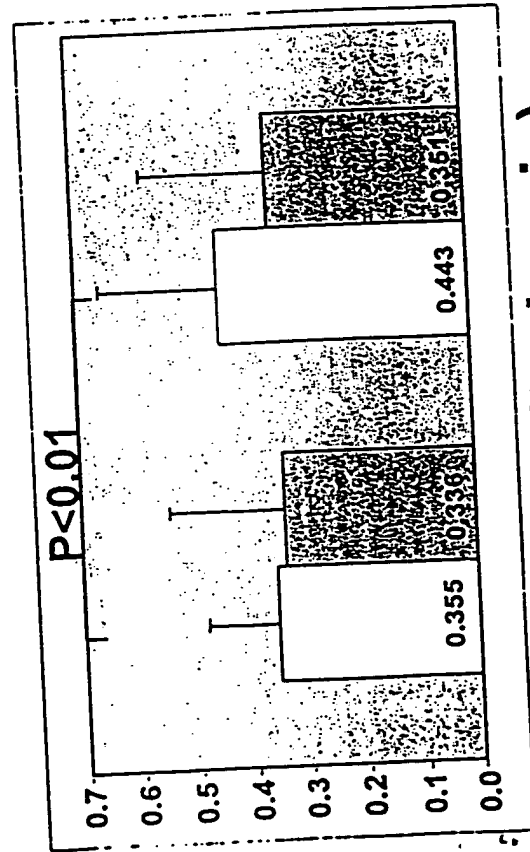


□ Rest
■ Pacing

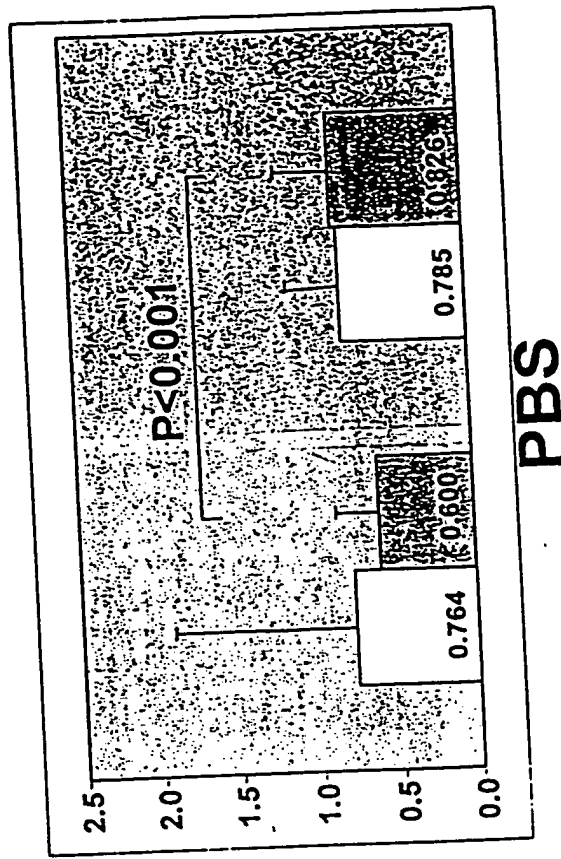
Transmural Myocardial Blood Flow



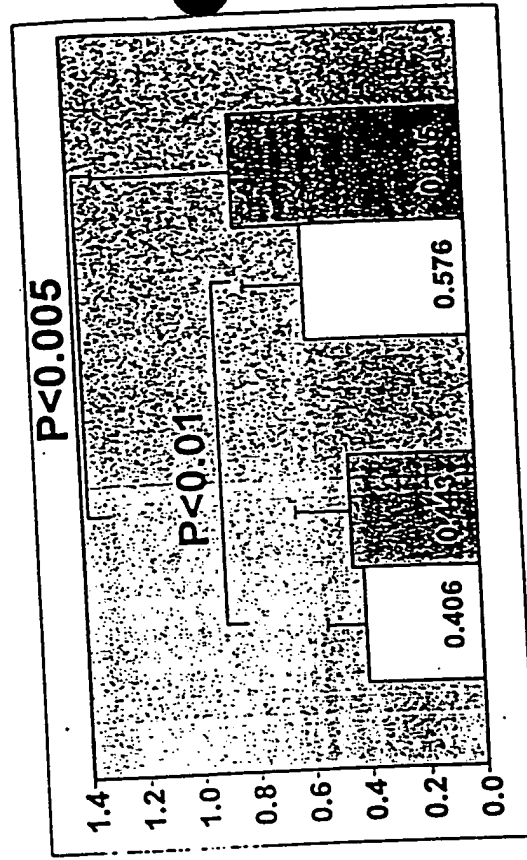
β-Gal



VEGF(Ischemic)



PBS



VEGF(Normal)

Regional Wall Motion Score on

Dobutamine Stress Echocardiography

Catheter

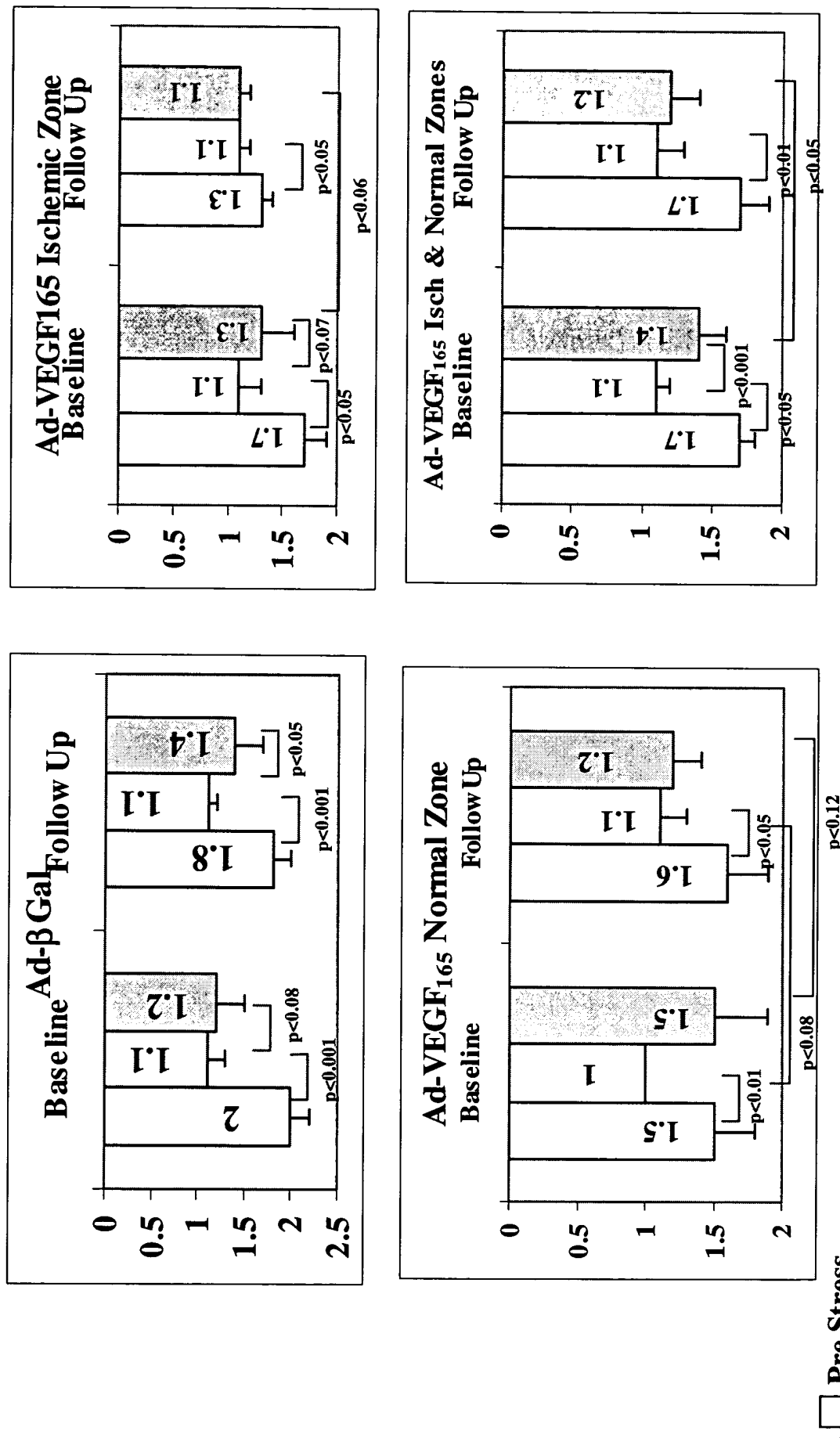
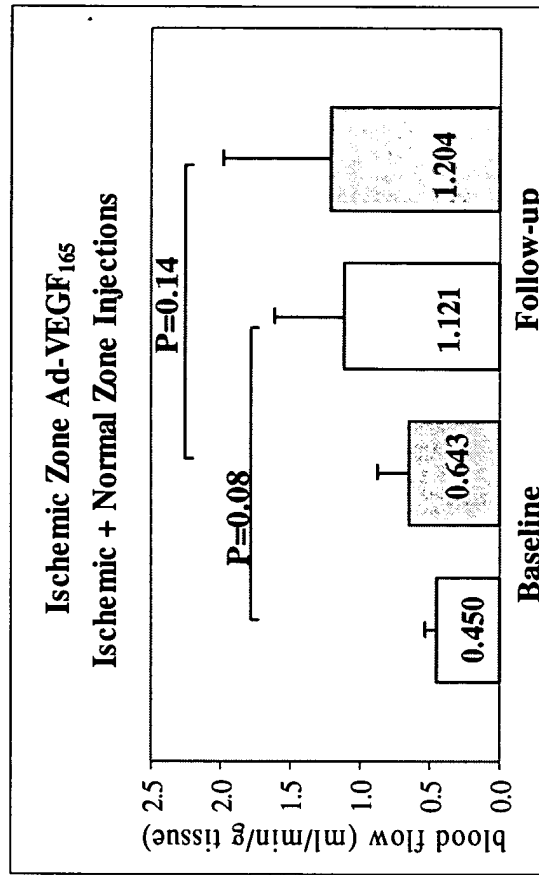
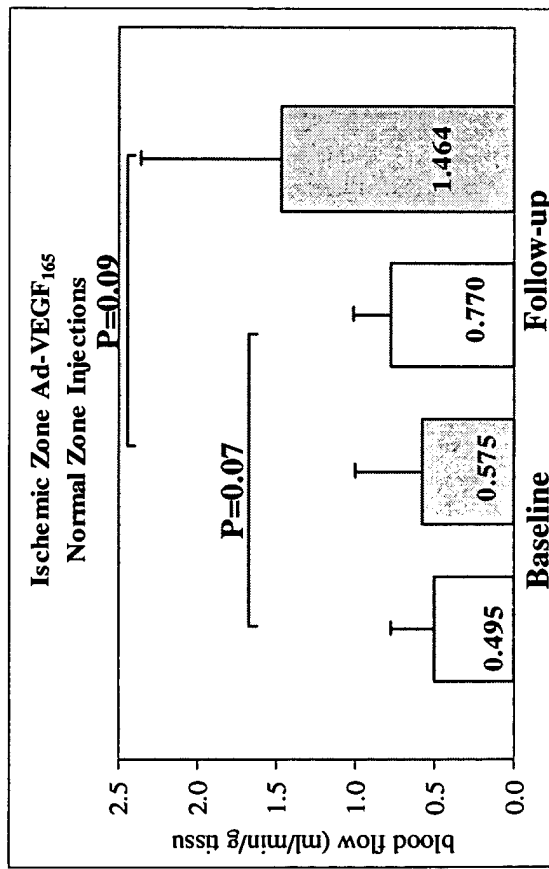
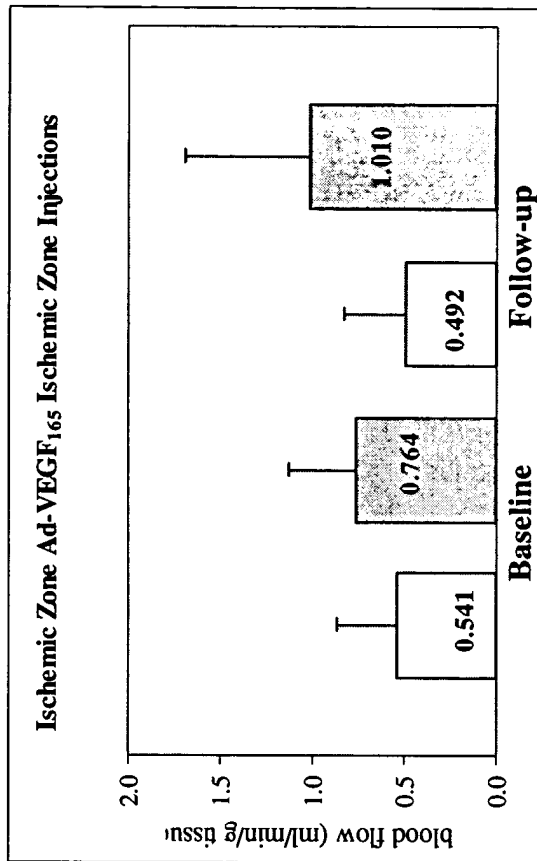
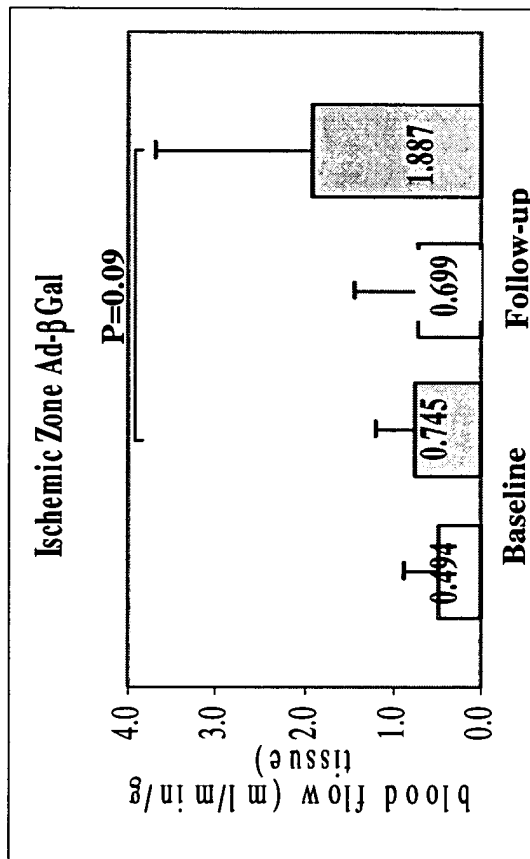


Figure 7

Transmural Myocardial Blood Flow

Catheter



Rest
After Adenosine



Figure 8

Capillary Density

Catheter

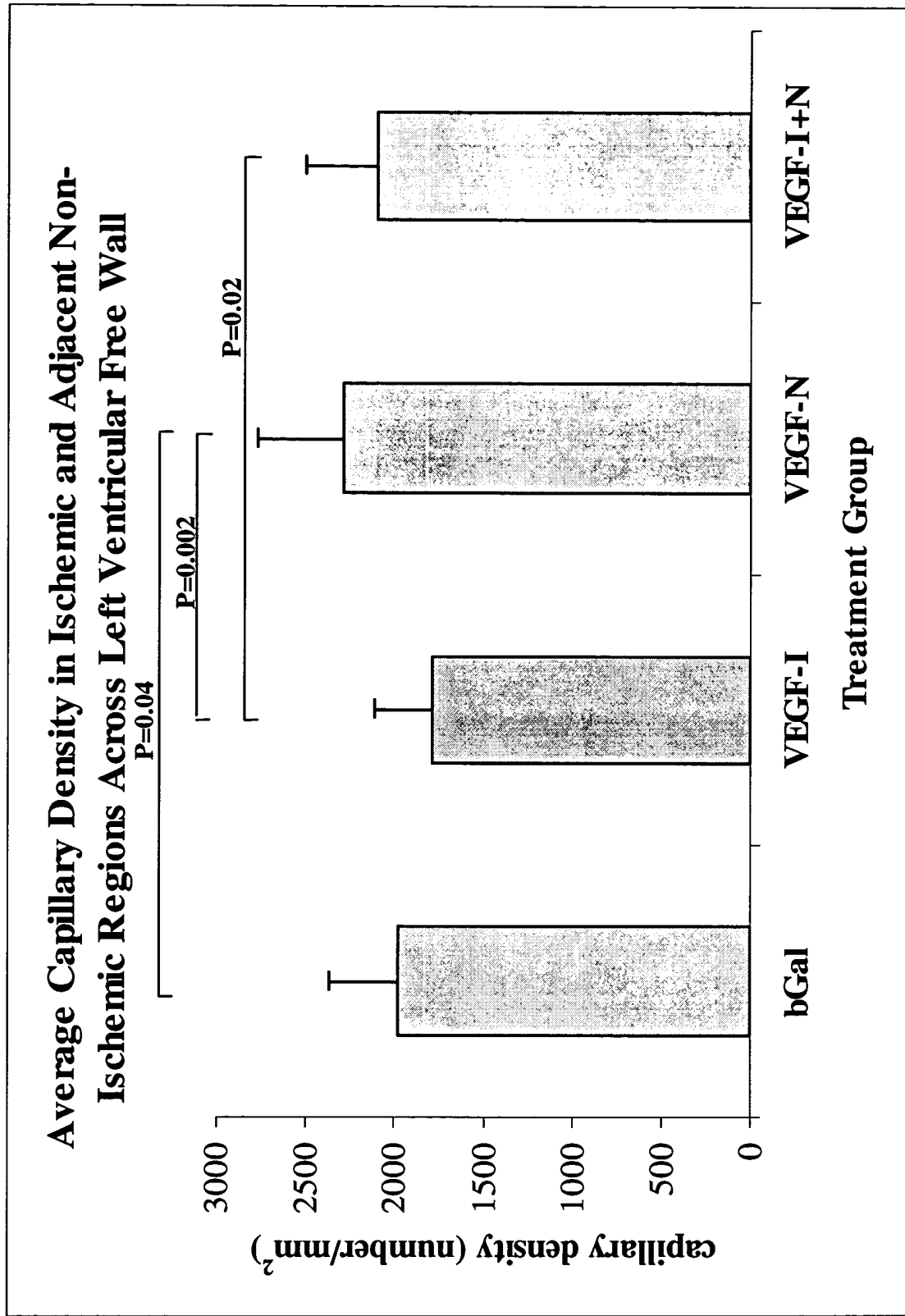


Figure 9